

ABSTRACT

A tire molding machine includes a pair of bead core supporting devices for holding respective bead cores, which are arranged on radially outer side of a carcass band, so that the bead core has a center axis with a controllable inclination angle. The bead
5 core supporting device (4), which controls the inclination angle of the bead core center axis, includes an annular upright plate (32), a bead holder ring (13) secured to the annular upright plate, for holding the bead core (B) in parallel manner, and bead holder ring posture control means (14) for controlling the inclination angle of the center axis of the bead holder ring relative to the center axis of the annular upright plate, within an angular
10 range including zero degree.